

NGATS Institute Status and Outlook

Charlie Bergman
Executive Director
NGATS Institute
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What is the NGATS Institute?

- Created to enable non-federal government partnership on NGATS planning and definition
- Established and governed by legal agreements between FAA and the National Center for Advanced Technologies (NCAT)
- Directed by the Institute Management Council (IMC)



Who is the Institute

- Executive Director
 - Charles Bergman
 - Responsible for all operations of the Institute
 - Accountable to the IMC for operational aspects
 - Selected by IMC Executive Committee
 - Facilitates partnership between government and private industry
 - charles.bergman@ncat.com
- Institute Staff
 - Senior Technical Coordinator
 - Ben Corb
 - benjamin.corb@ncat.com
 - Technical Coordinator
 - Matthew Boswell
 - matthew.boswell@ncat.com
 - Executive Assistant
 - Kelly Tierney
 - kelly.tierney@ncat.com



Who is the IMC

Co-chairs

- Jim May - ATA
- Phil Boyer - AOPA

Executive committee

- Pete Dumont - ATCA
- John Douglas - AIA
- John Prater - ALPA

Seat Holders

- Greg Principato - ACI-NA
- Matt Zuccaro - HAI
- Bill Connors - NBTA
- Pat Forrey - NATCA
- Dave Watrous - RTCA
- Pete Bunce - GAMA
- Ed Bolen - NBAA
- Roger Cohen - RAA
- Henrey Ogrodzinski - NASAO
- Steve Hampton - ERAU



Working Group Industry Co-Chair Leads

- Aircraft
- Airports
- ANS
- Environment
 - Howard Aylesworth
- Global Harmonization
 - Mike Marsili
- Net Centric Operations
 - Gene Hayman
- Safety
 - Paul Russell
- Security
 - Paul Druckman
- Weather
 - Steve Brown



Industry Contribution

- The Institute selects the premiere authorities within the aviation field
- 236 current active members from a wide range of companies and organizations
- We completed a review with the Working Group Government Co-Chairs help to identify total commitment from Industry to NextGen
 - Average salary of \$137,000 was identified excluding benefits
 - Average amount of time per person committed per 40hr work week was identified (13%)
 - Total cost to the Industry was **between \$4 to 5 million dollars annually**



2006 / 2007 Approved Tasks

- Aircraft Sequencing in the Terminal Area
- Backup Satellite Navigation Options
- Community-Wide Information Sharing
- Emergency Management Operations Control System (EMOCS)
- Operational Safety Assessment
 - Awaiting Funding
- Spectrum / Bandwidth Analysis
- Weather Benefits Pool
 - Task withdrawn from consideration by WxIPT



Aircraft Sequencing

- Task E1-07
 - Conduct investigations into integration of CNS / ATM technologies to support applications that reduce fuel burn, emissions and noise, and eliminate terminal area airspace congestion
 - Contract Value: \$250k
 - Expected Completion: May 2008
 - Selected Contractor: Innovative Solutions Int'l, Inc.



Backup SatNav

- Task AG1-06
 - Define and analyze the requirements for SatNav backup systems in key time frame for NAS modernization
 - Contract Value: \$345k
 - Expected Completion: July 2007
 - Selected Contractor: ITT



Community-Wide Information Sharing

- Task SA1-07
 - Provide information on information sharing regimes, and operator uses of information, as well as analysis of what information should be shared and with who
 - Contract Value: \$80k
 - Expected Completion: October 2007
 - Selected Contractor: ITT



EMOCS

- Task S1-07
 - Plan for the development and implementation of a fully organized low altitude airspace emergency management communications, navigation, surveillance and weather system
 - Contract Value: \$350k
 - Expected Completion: TBD
 - Selected Contractor: TBD



Operational Safety Assessment

- Task SFT1-07
 - Develop safety objectives and requirements for the overall NGATS based on the proposed Ols to assist and guide in the development of a safe air transportation system
 - Contract Value: \$500k
 - Expected Completion: TBD
 - Selected Contractor: TBD
 - Funding not yet available



Spectrum / Bandwidth Analysis

- Task SA2-07
 - Conduct a current inventory of programs and initiatives aimed at increasing spectrum capacity / bandwidth in the context of NextGen vision
 - Contract Value: \$217k
 - Expected Completion: November 2007
 - Selected Contractor: Embry-Riddle Aeronautical University



Summary

- Industry/Government Partnership is **the** Key to NextGen Success
- Institute is the mechanism to help facilitate this Partnership
- Please consider us a resource to help find implementable, consensus-based solutions
- My door is open to your ideas

